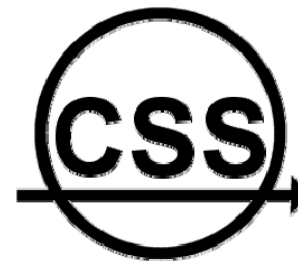
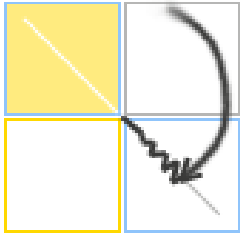


TC on **VSS & SMC**
2015 information Meeting

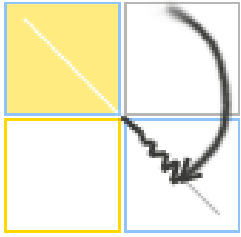




TC on **VSS & SMC at
CDC15**



- TC Operation rules
- TC Honorary members
- 2015 TC Report
- 2016 Actions

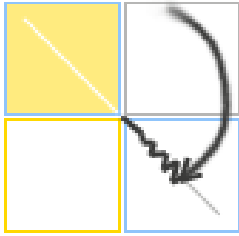


Information Meeting
VSS & SMC at CDC15



The goals of the TC on VSS&SM

- **Coordination** of the work of the groups
- **Organization** of Workshops
- **Organization** of School for young researchers
- **Publication** of books and Special Issues
- **Organization** of Special Sessions
- **Support for VSS&SMC Wikipedia(new!)**



TC on **VSS & SMC** at **CDC15**



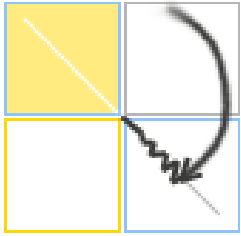
TC VSS&SMC Structure

Members (they need be IEEE CSS members)

Rights

- Receive all of the information about the community
- Send the proposals, suggestions, information about new publications

To be TC member it is necessary to register in the mail list of VSS community ieee-vssmc@listserv.tau.ac.il



TC on **VSS & SMC** at **CDC15**

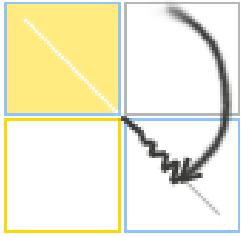


TC VSS&SMC Structure

Level 2. Executive Committee

Rights

- Level 1
- +
- **Votes for decisions**



TC on **VSS & SMC** at **CDC15**



Level 2. Executive Committee members

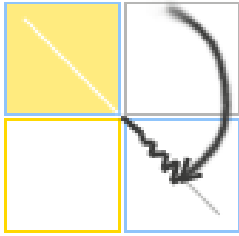
1. One representative for one country

The uniformity of countries

2. Distinguished scientists

- Editors of IEEE CSS and IFAC journals
- 10 years experience in the field
- 10 papers number of IEEE CSS journals
- PhD graduated in the field

To ensure the uniformity of the groups 2 representatives of the same University are not allowed

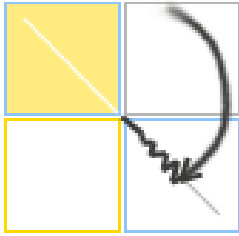


Information meeting of the **VSS & SMC at CDC15**



VSS18 Workshop Organization

- Preferable do not repeat continents.
- More priority for proposals from countries in which a VSS workshop was never organized.
- Organize a school one year before the workshop.
- Receive approval for IEE CSS; IEEE TIE and IFAC.
- Include the proceedings in the IEEE explorer databases
- Publish a Special Issue(s)
- Publish a book with selected chapters
- The workshop should be organized without parallel sessions
- FILL in PROPOSAL TO HOST VSS 2018 FORM(see <http://variable-structure.ieeecss.org/tc-variable-structure/documents>) before March, 31st 2016
- The leader of the winner-team should present personally during VSS16 in June, 1st -4th, 2016, Nanjing, China their presentation about VSS 2018 workshop and Sommer school 2017.

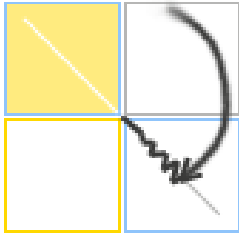


VSS & SMC at CDC15 TC 2015 Report



Content

1. Organization of VSS16
2. Organization of the schools
3. Books publication
4. Special Issues publication
5. Special Session organization



TC VSS & SMC at CDC15

TC 2015 Report

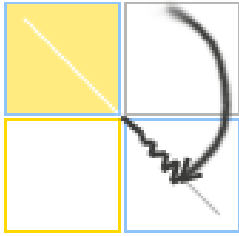


Workshop Organization

1. Recent Advances in Sliding Modes (RASMS 2015),
Istanbul, Bogazici University, April 9-11th, 2015

2. The submission site for the 14th IEEE VSS16 workshop
June 1st-4th 2016 Nanjing is open <http://www.vss2016.com/>

The deadline for submissions is January, 15, 2016

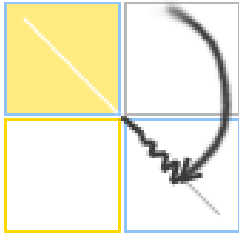


VSS & SMC at CDC15 TC 2015 Report



Books publication

1. Recent Advances in Sliding Modes: From Control to Intelligent Mechatronics, Studies in Systems, X. Yu, and O. Efe (eds), Decision and Control 24, Springer, Switzerland, 2015. doi: 10.1007/978-3-319-18290-2.
2. H. Sira Ramirez. Sliding Mode Control; The Sigma-delta Modulation Approach. Birkhauser: Basel, 2015, ISBN 978-3-319-17257-6
3. Bijan Bandyopadhyay, Shyam Kamal. Stabilization and Control of Fractional Order Systems: A Sliding Mode Approach, Springer Verlag, 2015, ISBN: 978-3-319-08620-0
4. L. Aguilar, I. Boiko, L. Fridman, R. Iriarte, Self-Oscillations in Dynamic Systems A New Methodology via Two-Relay Controllers, Birkhäuser Basel, 2015, ISBN 978-3-319-23302-4



VSS & SMC at CDC15 TC 2015 Report



Books publication

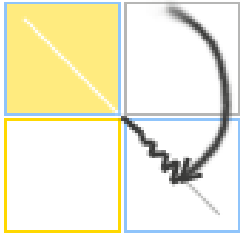
Book in press

Leonid Fridman, Jean Pierre Barbot, Franck Plestan

Recent Trends in Sliding Mode Control, IET, 2016

print ISBN : 978-1-78561-076-9

ebook PDF IBSN : 978-1-78561-077-6



TC on **VSS & SMC** 2015 REPORT

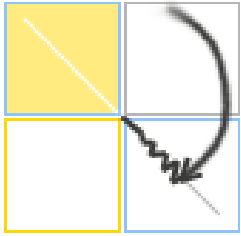


Summer Schools

1. June 7-12th, Assoise, France(INRIA, Grenoble)
2. August, 24th-29th 2015, Nanjing, China(South Eastern University)

Proposal submitted

Spring School, March, 21st- 25th, 2016, IITB, Mumbai, India



TC on **VSS & SMC** 2015 REPORT

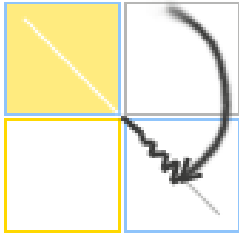


Special Issues

L. Fridman, S. Li, A. Levant, X. Chen, X. Yu Sliding-Mode Based Disturbance Estimation, Attenuation and Fault Detection. IET Control Theory and Applications, V.9, no.4, 2015, doi: 10.1049/iet-cta.2014.1279.

To be published

Finite-Time Adaptive Control and Observation,
International Journal of Control,
Second round revision is finished



TC VSS & SMC at CDC15

TC 2015 report

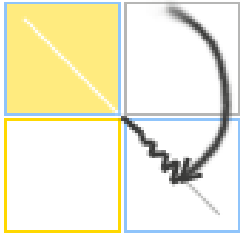


SPECIAL SESSION

CDC 15. Session ThC06

Continuous Higher-Order Sliding Modes Controllers.

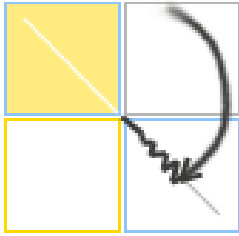
Organizers: L.Fridman, J. Moreno



Information Meeting
VSS & SMC at CDC15



Two new groups!
WIKIPEDIA
TOOLBOX



Information Meeting
VSS & SMC at CDC15



Congratulations to
XINGHUA YU

President-Elect of IEEE Industrial
Electronics Society for 2016